Leroy Hood

List of Publications by Year
in descending order

408 papers	77,929 citations
952 — 115 h-index	494 — 269 g-index
435 all docs	435 docs citations
435 times ranked	76262 citing authors

#	Article	IF	Citations
1	Integrated analysis of plasma and single immune cells uncovers metabolic changes in individuals with COVID-19. Nature Biotechnology, 2022, 40, 110-120.	17.5	81
2	Multiple early factors anticipate post-acute COVID-19 sequelae. Cell, 2022, 185, 881-895.e20.	28.9	605
3	The effect of maternal SARS-CoV-2 infection timing on birth outcomes: a retrospective multicentre cohort study. The Lancet Digital Health, 2022, 4, e95-e104.	12.3	81
4	Personal Dense Dynamic Data Clouds Connect Systems Biomedicine to Scientific Wellness. Methods in Molecular Biology, 2022, 2486, 315-334.	0.9	1
5	Manifestations of Alzheimer's disease genetic risk in the blood are evident in a multiomic analysis in healthy adults aged 18 to 90. Scientific Reports, 2022, 12, 6117.	3.3	12
6	Heterogeneity in statin responses explained by variation in the human gut microbiome. Med, 2022, 3, 388-405.e6.	4.4	21
7	Epigenetic biotypes of post-traumatic stress disorder in war-zone exposed veteran and active duty males. Molecular Psychiatry, 2021, 26, 4300-4314.	7.9	22
8	A DNA methylation clock associated with age-related illnesses and mortality is accelerated in men with combat PTSD. Molecular Psychiatry, 2021, 26, 4999-5009.	7.9	52
9	Gut microbiome pattern reflects healthy ageing and predicts survival in humans. Nature Metabolism, 2021, 3, 274-286.	11.9	278
10	iNetModels 2.0: an interactive visualization and database of multi-omics data. Nucleic Acids Research, 2021, 49, W271-W276.	14.5	25
11	Utilization of machine learning for identifying symptom severity military-related PTSD subtypes and their biological correlates. Translational Psychiatry, 2021, 11, 227.	4.8	11
12	The geometry of clinical labs and wellness states from deeply phenotyped humans. Nature Communications, 2021, 12, 3578.	12.8	19
13	Serum brain-derived neurotrophic factor remains elevated after long term follow-up of combat veterans with chronic post-traumatic stress disorder. Psychoneuroendocrinology, 2021, 134, 105360.	2.7	6
14	Baseline Gut Metagenomic Functional Gene Signature Associated with Variable Weight Loss Responses following a Healthy Lifestyle Intervention in Humans. MSystems, 2021, 6, e0096421.	3.8	19
15	Mouse Organ-Specific Proteins and Functions. Cells, 2021, 10, 3449.	4.1	2
16	Investigating the importance of acylcarnitines in Alzheimer's disease.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e056647.	0.8	1
17	Case Study: A Precision Medicine Approach to Multifactorial Dementia and Alzheimer's Disease.. , 2021, 11, .		0
18	A systems approach to clinical oncology uses deep phenotyping to deliver personalized care. Nature Reviews Clinical Oncology, 2020, 17, 183-194.	27.6	41

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19	Multi-omic biomarker identification and validation for diagnosing warzone-related post-traumatic stress disorder. Molecular Psychiatry, 2020, 25, 3337-3349.	7.9	68
20	Measurement of Organ-Specific and Acute-Phase Blood Protein Levels in Early Lyme Disease. Journal of Proteome Research, 2020, 19, 346-359.	3.7	14
21	Atlas of Transcription Factor Binding Sites from ENCODE DNase Hypersensitivity Data across 27 Tissue Types. Cell Reports, 2020, 32, 108029.	6.4	28
22	Multi-Omics Resolves a Sharp Disease-State Shift between Mild and Moderate COVID-19. Cell, 2020, 183, 1479-1495.e20.	28.9	449
23	Multiomic blood correlates of genetic risk identify presymptomatic disease alterations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21813-21820.	7.1	22
24	Epigenetic Biotypes of PTSD in War-Zone Exposed Veteran and Active Duty Males. Biological Psychiatry, 2020, 87, S8-S9.	1.3	2
25	Longitudinal analysis reveals transition barriers between dominant ecological states in the gut microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13839-13845.	7.1	47
26	Core transcriptional regulatory circuits in prion diseases. Molecular Brain, 2020, 13, 10.	2.6	7
27	Deep phenotyping during pregnancy for predictive and preventive medicine. Science Translational Medicine, 2020, 12, .	12.4	21
28	Effect of Combat Exposure and Posttraumatic Stress Disorder on Telomere Length and Amygdala Volume. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 678-687.	1.5	10
29	Untargeted longitudinal analysis of a wellness cohort identifies markers of metastatic cancer years prior to diagnosis. Scientific Reports, 2020, 10, 16275.	3.3	12
30	Mechanistic inferences on metabolic dysfunction in posttraumatic stress disorder from an integrated model and multiomic analysis: role of glucocorticoid receptor sensitivity. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E879-E898.	3.5	22
31	Distinct Profiles of Cell-Free MicroRNAs in Plasma of Veterans with Post-Traumatic Stress Disorder. Journal of Clinical Medicine, 2019, 8, 963.	2.4	16
32	Multi-Omic Biological Age Estimation and Its Correlation With Wellness and Disease Phenotypes: A Longitudinal Study of 3,558 Individuals. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, S52-S60.	3.6	56
33	Blood metabolome predicts gut microbiome α-diversity in humans. Nature Biotechnology, 2019, 37, 1217-1228.	17.5	213
34	Blood Is a Window into Health and Disease. Clinical Chemistry, 2019, 65, 1204-1206.	3.2	13
35	Genetic Predisposition Impacts Clinical Changes in a Lifestyle Coaching Program. Scientific Reports, 2019, 9, 6805.	3.3	48
36	Genomic and molecular characterization of preterm birth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5819-5827.	7.1	53

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37	Genome-Scale Transcriptional Regulatory Network Models of Psychiatric and Neurodegenerative Disorders. Cell Systems, 2019, 8, 122-135.e7.	6.2	45
38	MULTI-OMIC BIOLOGICAL AGE ESTIMATION, CORRELATION WITH WELLNESS, DISEASE PHENOTYPES: LONGITUDINAL SAMPLE OF 3558. Innovation in Aging, 2019, 3, S209-S209.	0.1	0
39	Personalized, Precision, and N-of-One Medicine: A Clarification of Terminology and Concepts. Perspectives in Biology and Medicine, 2019, 62, 617-639.	0.5	8
40	A Blueprint for Systems Biology. Clinical Chemistry, 2019, 65, 342-344.	3.2	6
41	Efficient region-based test strategy uncovers genetic risk factors for functional outcome in bipolar disorder. European Neuropsychopharmacology, 2019, 29, 156-170.	0.7	7
42	Extracellular vesicle <scp>RNA</scp>s reflect placenta dysfunction and are a biomarker source for preterm labour. Journal of Cellular and Molecular Medicine, 2018, 22, 2760-2773.	3.6	62
43	Lessons Learned as President of the Institute for Systems Biology (2000â€"2018). Genomics, Proteomics and Bioinformatics, 2018, 16, 1-9.	6.9	6
44	The building blocks of successful translation of proteomics to the clinic. Current Opinion in Biotechnology, 2018, 51, 123-129.	6.6	32
45	O3â€03â€01: MECHANISTIC AND DIRECTIONAL TRANSCRIPTIONAL REGULATORY NETWORKS IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1014.	0.8	0
46	Whole genome sequence and comparative analysis of Borrelia burgdorferi MM1. PLoS ONE, 2018, 13, e0198135.	2.5	8
47	Reply to "Precision medicine in the clouds". Nature Biotechnology, 2018, 36, 680-682.	17.5	2
48	Population-specific genetic modification of Huntington's disease in Venezuela. PLoS Genetics, 2018, 14, e1007274.	3.5	27
49	Cell population structure prior to bifurcation predicts efficiency of directed differentiation in human induced pluripotent cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2271-2276.	7.1	96
50	High resolution time-course mapping of early transcriptomic, molecular and cellular phenotypes in Huntingtonâ€™s disease CAG knock-in mice across multiple genetic backgrounds. Human Molecular Genetics, 2017, 26, 913-922.	2.9	37
51	A Cell-Surface Membrane Protein Signature for Glioblastoma. Cell Systems, 2017, 4, 516-529.e7.	6.2	37
52	Toxoplasma Modulates Signature Pathways of Human Epilepsy, Neurodegeneration & Cancer. Scientific Reports, 2017, 7, 11496.	3.3	97
53	A wellness study of 108 individuals using personal, dense, dynamic data clouds. Nature Biotechnology, 2017, 35, 747-756.	17.5	340
54	Beyond cancer genes: colorectal cancer as robust intrinsic states formed by molecular interactions. Open Biology, 2017, 7, 170169.	3.6	17

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55	Viva Europa, a Land of Excellence in Research and Innovation for Health and Wellbeing. Progress in Preventive Medicine (New York, N Y), 2017, 2, e006.	0.7	6
56	The P4 Health Spectrum â€" A Predictive, Preventive, Personalized and Participatory Continuum for Promoting Healthspan. Progress in Cardiovascular Diseases, 2017, 59, 506-521.	3.1	178
57	The P4 Health Spectrum â€" A Predictive, Preventive, Personalized and Participatory Continuum for Promoting Healthspan. Progress in Preventive Medicine (New York, N Y), 2017, 2, e0002.	0.7	10
58	Evolutionary history of Tibetans inferred from whole-genome sequencing. PLoS Genetics, 2017, 13, e1006675.	3.5	89
59	Welcome to Progress in Preventive Medicine from the Editorial Board. Progress in Preventive Medicine (New York, N Y), 2016, 1, e0001.	0.7	0
60	Predictive Big Data Analytics: A Study of Parkinsonâ€™s Disease Using Large, Complex, Heterogeneous, Incongruent, Multi-Source and Incomplete Observations. PLoS ONE, 2016, 11, e0157077.	2.5	94
61	New paradigms for understanding and step changes in treating active and chronic, persistent apicomplexan infections. Scientific Reports, 2016, 6, 29179.	3.3	40
62	Identification of Organ-Enriched Protein Biomarkers of Acute Liver Injury by Targeted Quantitative Proteomics of Blood in Acetaminophen- and Carbon-Tetrachloride-Treated Mouse Models and Acetaminophen Overdose Patients. Journal of Proteome Research, 2016, 15, 3724-3740.	3.7	28
63	Genomic architecture of inflammatory bowel disease in five families with multiple affected individuals. Human Genome Variation, 2016, 3, 15060.	0.7	14
64	TGFÎ²-Responsive HMOX1 Expression Is Associated with Stemness and Invasion in Glioblastoma Multiforme. Stem Cells, 2016, 34, 2276-2289.	3.2	38
65	Human SRMAtlas: A Resource of Targeted Assays to Quantify the Complete Human Proteome. Cell, 2016, 166, 766-778.	28.9	295
66	Opening a SWATH Window on Posttranslational Modifications: Automated Pursuit of Modified Peptides. Molecular and Cellular Proteomics, 2016, 15, 1151-1163.	3.8	41
67	A novel Fanconi anaemia subtype associated with a dominant-negative mutation in RAD51. Nature Communications, 2015, 6, 8829.	12.8	130
68	Endogenous molecular-cellular hierarchical modeling of prostate carcinogenesis uncovers robust structure. Progress in Biophysics and Molecular Biology, 2015, 117, 30-42.	2.9	23
69	Integrating big data and actionable health coaching to optimize wellness. BMC Medicine, 2015, 13, 4.	5.5	66
70	Microarray Based Screening of Peptide Nano Probes for HER2 Positive Tumor. Analytical Chemistry, 2015, 87, 8367-8372.	6.5	45
71	Big biomedical data as the key resource for discovery science. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 1126-1131.	4.4	70
72	Identification of copy number variants in whole-genome data using Reference Coverage Profiles. Frontiers in Genetics, 2015, 6, 45.	2.3	18

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73	Automated Validation of Results and Removal of Fragment Ion Interferences in Targeted Analysis of Data-independent Acquisition Mass Spectrometry (MS) using SWATHProphet. Molecular and Cellular Proteomics, 2015, 14, 1411-1418.	3.8	37
74	Rare variants in neuronal excitability genes influence risk for bipolar disorder. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3576-3581.	7.1	152
75	Developmental biologist Eric H. Davidson, 1937â€"2015. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13423-13425.	7.1	0
76	Sequence-Level Analysis of the Major European Huntington Disease Haplotype. American Journal of Human Genetics, 2015, 97, 435-444.	6.2	22
77	A Gain-of-Function Mutation in TRPV3 Causes Focal Palmoplantar Keratoderma in a Chinese Family. Journal of Investigative Dermatology, 2015, 135, 907-909.	0.7	30
78	Global analysis of H3K4me3 and H3K27me3 profiles in glioblastoma stem cells and identification of SLC17A7 as a bivalent tumor suppressor gene. Oncotarget, 2015, 6, 5369-5381.	1.8	65
79	Examination of circulating DNA by using next generation sequence technology in colorectal cancer.. Journal of Clinical Oncology, 2015, 33, e14507-e14507.	1.6	0
80	Whole-Genome Sequencing of the Worldâ€™s Oldest People. PLoS ONE, 2014, 9, e112430.	2.5	57
81	Quantitative Liver-Specific Protein Fingerprint in Blood: A Signature for Hepatotoxicity. Theranostics, 2014, 4, 215-228.	10.0	47
82	Molecular evidence of stress-induced acute heart injury in a mouse model simulating posttraumatic stress disorder. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3188-3193.	7.1	45
83	Relationship Estimation from Whole-Genome Sequence Data. PLoS Genetics, 2014, 10, e1004144.	3.5	67
84	Realistic artificial DNA sequences as negative controls for computational genomics. Nucleic Acids Research, 2014, 42, e99-e99.	14.5	26
85	Rapid Screening of Peptide Probes through *In Situ* Single-Bead Sequencing Microarray. Analytical Chemistry, 2014, 86, 11854-11859.	6.5	40
86	Demystifying Disease, Democratizing Health Care. Science Translational Medicine, 2014, 6, 225ed5.	12.4	67
87	Protein-Centric N-Glycoproteomics Analysis of Membrane and Plasma Membrane Proteins. Journal of Proteome Research, 2014, 13, 2705-2714.	3.7	24
88	A unified test of linkage analysis and rare-variant association for analysis of pedigree sequence data. Nature Biotechnology, 2014, 32, 663-669.	17.5	93
89	Origin of the *PSEN1* E280A mutation causing earlyâ€‐onset Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, S277-S283.e10.	0.8	39
90	Systems Approach to Neurodegenerative Disease Biomarker Discovery. Annual Review of Pharmacology and Toxicology, 2014, 54, 457-481.	9.4	45

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91	Mutations in STX1B, encoding a presynaptic protein, cause fever-associated epilepsy syndromes. Nature Genetics, 2014, 46, 1327-1332.	21.4	178
92	Label-Free Quantitative Detection of Tumor-Derived Exosomes through Surface Plasmon Resonance Imaging. Analytical Chemistry, 2014, 86, 8857-8864.	6.5	211
93	Betaine homocysteine methyltransferase (BHMT) as a specific and sensitive blood marker for acute liver injury. Biomarkers, 2014, 19, 578-584.	1.9	5
94	An Epigenetic Biomarker Panel for Glioblastoma Multiforme Personalized Medicine through DNA Methylation Analysis of Human Embryonic Stem Cell-like Signature. OMICS A Journal of Integrative Biology, 2014, 18, 310-323.	2.0	23
95	P4 Medicine Needs P4 Education. Current Pharmaceutical Design, 2014, 20, 6071-6072.	1.9	37
96	From Phage lambda to human cancer: endogenous molecular–cellular network hypothesis. Quantitative Biology, 2013, 1, 32-49.	0.5	27
97	An automated Teflon microfluidic peptide synthesizer. Lab on A Chip, 2013, 13, 3347.	6.0	24
98	Functional Genomics, Proteomics, Metabolomics and Bioinformatics for Systems Biology. , 2013, , 3-41.		5
99	Every Life Has Equal Value. Cell, 2013, 154, 1178-1179.	28.9	2
100	A Blood-Based Proteomic Classifier for the Molecular Characterization of Pulmonary Nodules. Science Translational Medicine, 2013, 5, 207ra142.	12.4	165
101	Participatory medicine: a driving force for revolutionizing healthcare. Genome Medicine, 2013, 5, 110.	8.2	137
102	Systems Biology and Systems Medicine. , 2013, , 60-72.		2
103	The human genome project: big science transforms biology and medicine. Genome Medicine, 2013, 5, 79.	8.2	184
104	Systems Medicine and the Emergence of Proactive P4 Medicine. , 2013, , 445-467.		2
105	Glycocapture-Assisted Global Quantitative Proteomics (gagQP) Reveals Multiorgan Responses in Serum Toxicoproteome. Journal of Proteome Research, 2013, 12, 2034-2044.	3.7	17
106	P4 medicine: how systems medicine will transform the healthcare sector and society. Personalized Medicine, 2013, 10, 565-576.	1.5	422
107	Multi-study Integration of Brain Cancer Transcriptomes Reveals Organ-Level Molecular Signatures. PLoS Computational Biology, 2013, 9, e1003148.	3.2	16
108	Evolutionary etiology of high-grade astrocytomas. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17933-17938.	7.1	35

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109	Systems Biology and P4 Medicine: Past, Present, and Future. Rambam Maimonides Medical Journal, 2013, 4, e0012.	1.0	208
110	Cell type-specific genes show striking and distinct patterns of spatial expression in the mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3095-3100.	7.1	61
111	A Review of Computational Tools in microRNA Discovery. Frontiers in Genetics, 2013, 4, 81.	2.3	86
112	Optimal Scaling of Digital Transcriptomes. PLoS ONE, 2013, 8, e77885.	2.5	44
113	N-Glycoproteome of E14.Tg2a Mouse Embryonic Stem Cells. PLoS ONE, 2013, 8, e55722.	2.5	18
114	Pillars article: Transgenic mice that express a myelin basic protein-specific T cell receptor develop spontaneous autoimmunity. Cell. 1993. 72: 551-560. Journal of Immunology, 2013, 190, 3018-27.	0.8	2
115	Single-cell proteomic chip for profiling intracellular signaling pathways in single tumor cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 419-424.	7.1	300
116	Editorial: Systems biology and personalized medicine â€" the future is now. Biotechnology Journal, 2012, 7, 938-939.	3.5	28
117	New and improved proteomics technologies for understanding complex biological systems: Addressing a grand challenge in the life sciences. Proteomics, 2012, 12, 2773-2783.	2.2	57
118	Systems Approaches to Biology and Disease Enable Translational Systems Medicine. Genomics, Proteomics and Bioinformatics, 2012, 10, 181-185.	6.9	83
119	A personal view on systems medicine and the emergence of proactive P4 medicine: predictive, preventive, personalized and participatory. New Biotechnology, 2012, 29, 613-624.	4.4	442
120	A Systems Approach to Rheumatoid Arthritis. PLoS ONE, 2012, 7, e51508.	2.5	26
121	<scp>SRM</scp> targeted proteomics in search for biomarkers of <scp>HCV</scp>â€‹induced progression of fibrosis to cirrhosis in <scp>HALT</scp>â€‹<scp>C</scp> patients. Proteomics, 2012, 12, 1244-1252.	2.2	30
122	Tackling the Microbiome. Science, 2012, 336, 1209-1209.	12.6	41
123	Revolutionizing medicine in the 21st century through systems approaches. Biotechnology Journal, 2012, 7, 992-1001.	3.5	225
124	Systems medicine and integrated care to combat chronic noncommunicable diseases. Genome Medicine, 2011, 3, 43.	8.2	181
125	Predictive, personalized, preventive, participatory (P4) cancer medicine. Nature Reviews Clinical Oncology, 2011, 8, 184-187.	27.6	628
126	Boosting Signal-to-Noise in Complex Biology: Prior Knowledge Is Power. Cell, 2011, 144, 860-863.	28.9	167

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127	Chromosomal Haplotypes by Genetic Phasing of Human Families. American Journal of Human Genetics, 2011, 89, 382-397.	6.2	63
128	Landscape of the SOX2 protein–protein interactome. Proteomics, 2011, 11, 921-934.	2.2	66
129	Principal network analysis: identification of subnetworks representing major dynamics using gene expression data. Bioinformatics, 2011, 27, 391-398.	4.1	48
130	Down-Regulation of Shadoo in Prion Infections Traces a Pre-Clinical Event Inversely Related to PrPSc Accumulation. PLoS Pathogens, 2011, 7, e1002391.	4.7	34
131	The Hallmarks of Cancer Revisited Through Systems Biology and Network Modelling. , 2011, , 245-266.		2
132	Analysis of Genetic Inheritance in a Family Quartet by Whole-Genome Sequencing. Science, 2010, 328, 636-639.	12.6	979
133	Analysis of chemotherapy response programs in ovarian cancers by the next-generation sequencing technologies. Gynecologic Oncology, 2010, 117, 159-169.	1.4	64
134	Systems Biology and the Discovery of Diagnostic Biomarkers. Disease Markers, 2010, 28, 199-207.	1.3	54
135	Massively Parallel Signature Sequencing and Bioinformatics Analysis Identifies Up-Regulation of TGFBI and SOX4 in Human Glioblastoma. PLoS ONE, 2010, 5, e10210.	2.5	77
136	Bioprocessing of Human Glioblastoma Brain Cancer Tissue. Tissue Engineering - Part A, 2010, 16, 1169-1177.	3.1	11
137	Identifying Tightly Regulated and Variably Expressed Networks by Differential Rank Conservation (DIRAC). PLoS Computational Biology, 2010, 6, e1000792.	3.2	73
138	Epigenetic Regulation of Wnt Pathway Antagonists in Human Glioblastoma Multiforme. Genes and Cancer, 2010, 1, 81-90.	1.9	39
139	Parallel microfluidic surface plasmon resonance imaging arrays. Lab on A Chip, 2010, 10, 581.	6.0	123
140	Systems Biology and Systems Medicine. , 2010, , 131-141.		3
141	Predictive, preventive, personalized and participatory medicine: back to the future. Genome Medicine, 2010, 2, 57.	8.2	144
142	Systems biology and the discovery of diagnostic biomarkers. Disease Markers, 2010, 28, 199-207.	1.3	41
143	Systems approaches to biology and disease: integrating discovery and hypothesis–driven paradigms. FASEB Journal, 2010, 24, 182.1.	0.5	0
144	Systems Biology and the Emergence of Systems Medicine. , 2009, , 74-85.		5

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145	Quantitative Proteomics Analysis Integrated with Microarray Data Reveals That Extracellular Matrix Proteins, Catenins, and P53 Binding Protein 1 Are Important for Chemotherapy Response in Ovarian Cancers. OMICS A Journal of Integrative Biology, 2009, 13, 345-354.	2.0	76
146	Dysregulated gene expression networks in human acute myelogenous leukemia stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3396-3401.	7.1	253
147	The Prion Disease Database: a comprehensive transcriptome resource for systems biology research in prion diseases. Database: the Journal of Biological Databases and Curation, 2009, 2009, bap011.	3.0	18
148	SPR Imaging for High Throughput, Label-Free Interaction Analysis. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 741-751.	1.1	39
149	Detailed transcriptome atlas of the pancreatic beta cell. BMC Medical Genomics, 2009, 2, 3.	1.5	102
150	Nanomedicine Targets Cancer. Scientific American, 2009, 300, 44-51.	1.0	31
151	Elevated expression of DKK1 is associated with cytoplasmic/nuclear Î²-catenin accumulation and poor prognosis in hepatocellular carcinomas. Journal of Hepatology, 2009, 50, 948-957.	3.7	131
152	Systems medicine: the future of medical genomics and healthcare. Genome Medicine, 2009, 1, 2.	8.2	333
153	Integrated Expression Profiling and ChIP-seq Analyses of the Growth Inhibition Response Program of the Androgen Receptor. PLoS ONE, 2009, 4, e6589.	2.5	77
154	Targeting Stem Cells-Clinical Implications for Cancer Therapy. Current Stem Cell Research and Therapy, 2009, 4, 147-153.	1.3	49
155	Systems biology and cancer stem cells. Journal of Cellular and Molecular Medicine, 2008, 12, 97-110.	3.6	22
156	Proteomics cataloging analysis of human expressed prostatic secretions reveals rich source of biomarker candidates. Proteomics - Clinical Applications, 2008, 2, 543-555.	1.6	21
157	Integrated barcode chips for rapid, multiplexed analysis of proteins in microliter quantities of blood. Nature Biotechnology, 2008, 26, 1373-1378.	17.5	507
158	Direct multiplexed measurement of gene expression with color-coded probe pairs. Nature Biotechnology, 2008, 26, 317-325.	17.5	1,832
159	Cancer as robust intrinsic state of endogenous molecular-cellular network shaped by evolution. Medical Hypotheses, 2008, 70, 678-684.	1.5	141
160	Wu and Kabat 1970: A Transforming View of Antibody Diversity. Journal of Immunology, 2008, 180, 7055-7056.	0.8	3
161	WDR19 Expression is Increased in Prostate Cancer Compared with Normal Cells, but Low-Intensity Expression in Cancers is Associated with Shorter Time to Biochemical Failures and Local Recurrence. Clinical Cancer Research, 2008, 14, 1397-1406.	7.0	16
162	Quantitative Serum Proteomics from Surface Plasmon Resonance Imaging. Molecular and Cellular Proteomics, 2008, 7, 2464-2474.	3.8	71

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163	Systems biology at the Institute for Systems Biology. Briefings in Functional Genomics & Proteomics, 2008, 7, 239-248.	3.8	65
164	Gene regulatory networks and embryonic specification. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5951-5952.	7.1	7
165	â€œSystems biology and systems medicine: From reactive to predictive, personalized, preventive and participatory (P4) medicineâ€•, 2008, , .		4
166	A Systems Approach to Medicine Will Transform Healthcare. , 2008, , 337-366.		8
167	Highly accurate two-gene classifier for differentiating gastrointestinal stromal tumors and leiomyosarcomas. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3414-3419.	7.1	144
168	Shotgun Glycopeptide Capture Approach Coupled with Mass Spectrometry for Comprehensive Glycoproteomics. Molecular and Cellular Proteomics, 2007, 6, 141-149.	3.8	152
169	Increased Expression of SIM2-s Protein Is a Novel Marker of Aggressive Prostate Cancer. Clinical Cancer Research, 2007, 13, 892-897.	7.0	47
170	Proteomics Analysis of the Interactome of N-myc Downstream Regulated Gene 1 and Its Interactions with the Androgen Response Program in Prostate Cancer Cells. Molecular and Cellular Proteomics, 2007, 6, 575-588.	3.8	83
171	Molecular profiling of stem cells. Clinica Chimica Acta, 2007, 378, 24-32.	1.1	17
172	A Predictive Model for Transcriptional Control of Physiology in a Free Living Cell. Cell, 2007, 131, 1354-1365.	28.9	284
173	Suggestive genetic linkage to chromosome 11p11.2-q12.2 in hereditary prostate cancer families with primary kidney cancer. Prostate, 2007, 67, 732-742.	2.3	14
174	PTEN-deficient intestinal stem cells initiate intestinal polyposis. Nature Genetics, 2007, 39, 189-198.	21.4	391
175	Integration of biological networks and gene expression data using Cytoscape. Nature Protocols, 2007, 2, 2366-2382.	12.0	2,275
176	Efficiency, Robustness, and Stochasticity of Gene Regulatory Networks in Systems Biology: Î» Switch as a Working Example. , 2007, , 336-371.		7
177	The Inferelator: an algorithm for learning parsimonious regulatory networks from systems-biology data sets de novo. Genome Biology, 2006, 7, R36.	9.6	456
178	Genetic Mapping at 3-Kilobase Resolution Reveals Inositol 1,4,5-Triphosphate Receptor 3 as a Risk Factor for Type 1 Diabetes in Sweden. American Journal of Human Genetics, 2006, 79, 614-627.	6.2	58
179	Proteins Associated with Cisplatin Resistance in Ovarian Cancer Cells Identified by Quantitative Proteomic Technology and Integrated with mRNA Expression Levels. Molecular and Cellular Proteomics, 2006, 5, 433-443.	3.8	118
180	KLK31P is a novel androgen regulated and transcribed pseudogene of kallikreins that is expressed at lower levels in prostate cancer cells than in normal prostate cells. Prostate, 2006, 66, 936-944.	2.3	35

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181	Analysis of the DNA sequence and duplication history of human chromosome 15. Nature, 2006, 440, 671-675.	27.8	67
182	Health Care of the 21st Century: Predictive, Preventive, Personalized and Participatory (P4) Medicine. Journal of Oral and Maxillofacial Surgery, 2006, 64, 14.	1.2	2
183	A Third Approach to Gene Prediction Suggests Thousands of Additional Human Transcribed Regions. PLoS Computational Biology, 2006, 2, e18.	3.2	36
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